

Title (en)

Arrangement to depict a line-shaped marking

Title (de)

Anordnung zum Abbilden einer linienförmigen Markierung

Title (fr)

Agencement destiné à représenter un marquage en forme de lignes

Publication

EP 2056067 A3 20101117 (DE)

Application

EP 08166629 A 20081015

Priority

DE 202007015265 U 20071101

Abstract (en)

[origin: CN101424531A] An arrangement for depicting a linear optical marking on a surface, including a radiation source emitting light, such as laser radiation, as well as a first lens arranged in the beam path having a first and a second surface penetrated by the radiation, of which one surface features a parabolic or elliptical trace at least partially in cross section, formed of curved sections of different radii, the trace extending symmetrically with respect to a plane of symmetry of the lens, along which runs the beam directed in parallel, preferably by means of a second lens. In order to achieve a uniform power distribution along the line, it is proposed that the second surface formed of sections with different radii faces the radiation.

IPC 8 full level

G01C 15/00 (2006.01); **G02B 3/00** (2006.01)

CPC (source: EP US)

G01C 15/004 (2013.01 - EP US); **G02B 27/0955** (2013.01 - EP US); **Y10S 33/21** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 202007015265 U1 20090312; CN 101424531 A 20090506; CN 101424531 B 20140507; EP 2056067 A2 20090506; EP 2056067 A3 20101117; EP 2056067 B1 20141210; ES 2528448 T3 20150210; US 2009113731 A1 20090507; US 7954248 B2 20110607

DOCDB simple family (application)

DE 202007015265 U 20071101; CN 200810173952 A 20081031; EP 08166629 A 20081015; ES 08166629 T 20081015; US 25453908 A 20081020